

PATENT ABSTRACTS OF JAPAN

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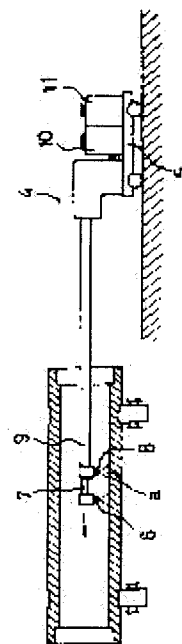
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(54) COATING METHOD FOR COATING AGENT ON METALLIC MOLD FOR CENTRIFUGAL CASTING

(57)Abstract:

PURPOSE: To improve casting quality and productivity by cooling the surface layer parts of the inside surface of a metallic mold, and coating a coating agent thereby decreasing the cooling rate for molten metal.

CONSTITUTION: A metallic mold is rotated, and while water and a coating agent (a) are sprayed and supplied from nozzles 6, 8, the nozzles are moved from one end side of a casting space to the other side, by preceding the nozzle 6 for supplying water. The inside surface layer parts of the metallic mold are cooled forcibly by the water supplied from the preceding nozzle 6, and the agent (a) is sprayed and coated on the cooled surface layer parts. Therefore, during the time when the surface layer parts are heated by the high heat energy of the metallic mold, the agent (a) evaporates water gradually without boiling, and the agent (a) is coated smoothly on the inside surfaces of the metallic mold without surface roughening and without considerable decrease in the temp. of the metallic mold per se.



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